

## ABSTRACT OF THE DISCLOSURE

A maximum blood pressure and a minimum blood pressure are first measured using an oscillometric method. Pulse waves of a vessel occurring during the measurement are measured by a reflection-type photoelectric sensor. The maximum and minimum blood pressures and the pulse waves occurring at the times of maximum and minimum blood pressures are associated with each other. After that, the blood pressure is calculated from the associated values and the pulse waves of the vessel serially detected by the reflection-type photoelectric sensor.